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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/071,174

DATE: 03/19/2002
 TIME: 17:51:47

Input Set : N:\Crf3\02272002\J071174.raw
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ENTERED

1 <110> APPLICANT: REED, JOHN C.
 2 KE, NING
 3 GODZIK, ADAM
 4 <120> TITLE OF INVENTION: APOPTOSIS MODULATOR BCL-B AND METHODS FOR MAKING AND
 5 USING SAME
 6 <130> FILE REFERENCE: 087102-0272558
 7 <140> CURRENT APPLICATION NUMBER: US/10/071,174
 8 <141> CURRENT FILING DATE: 2002-02-07
 9 <150> PRIOR APPLICATION NUMBER: 60/267,166
 10 <151> PRIOR FILING DATE: 2001-02-07
 11 <160> NUMBER OF SEQ ID NOS: 36
 12 <170> SOFTWARE: PatentIn Ver. 2.1
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 887
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Homo sapiens
 18 <400> SEQUENCE: 1
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 20 gttgcggag cgcaccacca tggccgaccc gctgcgggag cgcaccgagc tggctgccc 120
 21 cgactacctg gggtaactcg cccggaaacc cggcaccccc gggccggcgc catccacgccc 180
 22 cgaggccgccc gtgctgcgtc cccggccgc caggtaacgg cagattcacc ggtccttttt 240
 23 ctccgcctac ctcggctacc cccggaaacc cttcgagctg tggcgctga tggcgattc 300
 24 cgtgctctcc gacagccccg gcccacactg gggcagatgt gtgacgctcg tgacccctcgc 360
 25 agggacgctg ctggagagag ggccgcttgt gaccgcggg tggaaagaagt ggggcttcca 420
 26 gcccggcta aaggagcagg agggcgacgt cccggggac tggccagcgcc tggtgccctt 480
 27 gctgagctcg cggctcatgg ggcagcaccc cgcctggctg caggctcagg gggctggga 540
 28 tggctttgt cacttcttca ggacccctt tccactggct tttggagaa aacagctgg 600
 29 ccaggcttt ctgtcatgt tggtaacaac agccttcatt tatctctggc cacgattatt 660
 30 atgagttta aaactttaa cccgttcta cctgccaac tggaccaac taaatgacag 720
 31 atgtgtgaga acaagaactg agggaaagca cttccccca ccccaagacgt tttatctga 780
 32 atgcatacaa ggagtctga ggtggtgatt tggccagtgt tttaacttgt gacaagtact 840
 33 cagggtgag gacaagaatg caaatggctc ttccttgagt gaaagaa 887
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 204
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Homo sapiens
 39 <400> SEQUENCE: 2
 40 Met Val Asp Gln Leu Arg Glu Arg Thr Thr Met Ala Asp Pro Leu Arg
 41 1 5 10 15
 42 Glu Arg Thr Glu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys Ala Arg
 43 20 25 30
 44 Glu Pro Gly Thr Pro Glu Pro Ala Pro Ser Thr Pro Glu Ala Ala Val
 45 35 40 45

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46 Leu Arg Ser Ala Ala Ala Arg Leu Arg Gln Ile His Arg Ser Phe Phe
47      50      55      60
48 Ser Ala Tyr Leu Gly Tyr Pro Gly Asn Arg Phe Glu Leu Val Ala Leu
49      65      70      75      80
50 Met Ala Asp Ser Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg
51      85      90      95
52 Val Val Thr Leu Val Thr Phe Ala Gly Thr Leu Leu Glu Arg Gly Pro
53      100     105     110
54 Leu Val Thr Ala Arg Trp Lys Lys Trp Gly Phe Gln Pro Arg Leu Lys
55      115     120     125
56 Glu Gln Glu Gly Asp Val Ala Arg Asp Cys Gln Arg Leu Val Ala Leu
57      130     135     140
58 Leu Ser Ser Arg Leu Met Gly Gln His Arg Ala Trp Leu Gln Ala Gln
59      145     150     155     160
60 Gly Gly Trp Asp Gly Phe Cys His Phe Phe Arg Thr Pro Phe Pro Leu
61      165     170     175
62 Ala Phe Trp Arg Lys Gln Leu Val Gln Ala Phe Leu Ser Cys Leu Leu
63      180     185     190
64 Thr Thr Ala Phe Ile Tyr Leu Trp Thr Arg Leu Leu
65      195     200

67 <210> SEQ ID NO: 3
68 <211> LENGTH: 21
69 <212> TYPE: PRT
70 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 3
72 Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg Val Val Thr Leu
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74 Val Thr Phe Ala Gly
75      20

77 <210> SEQ ID NO: 4
78 <211> LENGTH: 15
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 4
82 Ala Trp Leu Gln Ala Gln Gly Gly Trp Asp Gly Phe Cys His Phe
83      1      5      10      15
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86 <211> LENGTH: 15
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
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91      1      5      10      15
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94 <211> LENGTH: 21
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 6
98 Glu Arg Thr Glu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys Ala Arg

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99      1      5      10      15
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101          20
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105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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110     cgggccaaga aaaccagcga agg      23
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113 <211> LENGTH: 24
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115 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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121 <210> SEQ ID NO: 9
122 <211> LENGTH: 28
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
127 <400> SEQUENCE: 9
128     ggaattcatg gttgaccagt tgcgggag      28
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 30
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
136 <400> SEQUENCE: 10
137     ccgctcgagt cataataatc gtgtccagag      30
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140 <211> LENGTH: 34
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
145 <400> SEQUENCE: 11
146     ccgctcgagt catgtttct ccaaaaagcc agtg      34
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 22
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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Input Set : N:\Crf3\02272002\J071174.raw
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154 <400> SEQUENCE: 12
155 gtgggtacgc tcgtgacctt cg 22
157 <210> SEQ ID NO: 13
158 <211> LENGTH: 24
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 13
162 Leu Arg Glu Arg Thr Glu Leu Leu Leu Ala Asp Tyr Leu Gly Tyr Cys
163 1 5 10 15
164 Ala Arg Glu Pro Gly Thr Pro Glu
165 20
167 <210> SEQ ID NO: 14
168 <211> LENGTH: 24
169 <212> TYPE: PRT
170 <213> ORGANISM: Murine sp.
171 <400> SEQUENCE: 14
172 Leu His Glu Arg Thr Arg Arg Leu Leu Ser Asp Tyr Ile Phe Phe Cys
173 1 5 10 15
174 Ala Arg Glu Pro Asp Thr Pro Glu
175 20
177 <210> SEQ ID NO: 15
178 <211> LENGTH: 22
179 <212> TYPE: PRT
180 <213> ORGANISM: Gallus sp.
181 <400> SEQUENCE: 15
182 Leu Lys Glu Glu Thr Ala Leu Leu Leu Glu Asp Tyr Phe Gln His Arg
183 1 5 10 15
184 Ala Gly Gly Ala Ala Leu
185 20
187 <210> SEQ ID NO: 16
188 <211> LENGTH: 24
189 <212> TYPE: PRT
190 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 16
192 Thr Gly Tyr Asp Asn Arg Glu Ile Val Met Lys Tyr Ile His Tyr Lys
193 1 5 10 15
194 Leu Ser Gln Arg Gly Tyr Glu Trp
195 20
197 <210> SEQ ID NO: 17
198 <211> LENGTH: 24
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
201 <400> SEQUENCE: 17
202 Met Ser Gln Ser Asn Arg Glu Leu Val Val Asp Phe Leu Ser Tyr Lys
203 1 5 10 15
204 Leu Ser Gln Lys Gly Tyr Ser Trp
205 20
207 <210> SEQ ID NO: 18
208 <211> LENGTH: 24

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Input Set : N:\Crf3\02272002\J071174.raw
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209 <212> TYPE: PRT
210 <213> ORGANISM: *Caenorhabditis elegans*
211 <400> SEQUENCE: 18
212 Pro Arg Leu Asp Ile Glu Gly Phe Val Val Asp Tyr Phe Thr His Arg
213 1 5 10 15
214 Ile Arg Gln Asn Gly Met Glu Trp
215 20
217 <210> SEQ ID NO: 19
218 <211> LENGTH: 30
219 <212> TYPE: PRT
220 <213> ORGANISM: *Homo sapiens*
221 <400> SEQUENCE: 19
222 Met Ala Asp Ser Val Leu Ser Asp Ser Pro Gly Pro Thr Trp Gly Arg
223 1 5 10 15
224 Val Val Thr Leu Val Thr Phe Ala Gly Thr Leu Leu Glu Arg
225 20 25 30
227 <210> SEQ ID NO: 20
228 <211> LENGTH: 30
229 <212> TYPE: PRT
230 <213> ORGANISM: *Murine* sp.
231 <400> SEQUENCE: 20
232 Met Ala Asp Lys Leu Leu Ser Lys Asp Gln Asp Phe Ser Trp Ser Gln
233 1 5 10 15
234 Leu Val Met Leu Leu Ala Phe Ala Gly Thr Leu Met Asn Gln
235 20 25 30
237 <210> SEQ ID NO: 21
238 <211> LENGTH: 30
239 <212> TYPE: PRT
240 <213> ORGANISM: *Gallus* sp.
241 <400> SEQUENCE: 21
242 Lys Val Ala Ala Gln Leu Glu Thr Asp Gly Gly Leu Asn Trp Gly Arg
243 1 5 10 15
244 Leu Leu Ala Leu Val Val Phe Ala Gly Thr Leu Ala Ala Ala
245 20 25 30
247 <210> SEQ ID NO: 22
248 <211> LENGTH: 29
249 <212> TYPE: PRT
250 <213> ORGANISM: *Homo sapiens*
251 <400> SEQUENCE: 22
252 Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile
253 1 5 10 15
254 Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
255 20 25
257 <210> SEQ ID NO: 23
258 <211> LENGTH: 29
259 <212> TYPE: PRT
260 <213> ORGANISM: *Homo sapiens*
261 <400> SEQUENCE: 23
262 Gln Val Val Asn Glu Leu Phe Arg Asp Gly Val Asn Trp Gly Arg Ile

VERIFICATION SUMMARY

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